

## SEQUENCE LISTING

**(** -

LIAO, VIVIAN H.C.

- <120> STRESSOR REGULATOR GENE
- <130> 1579-315
- <140> 09/437,450
- <141> 1999-11-10
- <150> 60/109,281
- <151> 1998-11-20
- <160> 72
- <170> PatentIn Ver. 2.1
- <210> 1
- <211> 165
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> Description of Artificial Sequence: Probe
- <400> 1

tttttttttt ttttccaacc ccttcacata ataggcggaa aaccgattgt tgctgttact 60 tgttgttgtg tttattccct gacctatcca tattcccttc ttcccaatct ctaaagatat 120 acctgaaaac gagttttttg aatacttgat acatttgtct tcatc

- <210> 2
- <211> 154
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> Description of Artificial Sequence: Probe

tggattgtgc gggtggtact gccaagtctg gtcgtgatag aaaacatcag gcgatcatgc 60 ctttacgtgg taagatcctg aacgtcgaaa agcaatggaa cataagatct acgaaaatga 120 154 ggagatcaaa aacatgttta cagctttggt ccta

- <210> 3
- <211> 264
- <212> DNA
- <213> Artificial Sequence
- <220>
- <223> Description of Artificial Sequence: Probe
- <400> 3

tggattgtgc ggagtataag caaaaatttc tggaaaagtc gggtgatatg aagtttgata 60

```
agatetteaa teaaaagete ggtttettgt tgttaaaaga tteegeagga aaatgtetee 120
gagagtccgt gtcctcaaat taaattctac gaggcgatca aagaatacga gaaaatggag 180
acaccagatg agcgattaac aaaagcacga gaaatttatc gatcatcata tacggttgaa 240
                                                                   264
ttccgtcgcg caatcgtcac actc
<210> 4
<211> 187
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 4
aaatttttat taaaataaaa taaacatgtt tttgttgata ttatagcgtt aaagctgaaa 60
tgacaatgat tagaaaacca gcagagaata gagatgatgt tcctttcgtt gttgtttcca 120
gtgaacactt gttgcggtgg agcccgtatt tagcgagtgg tagtttttga tgtgattggt 180
                                                                   187
tccaatc
<210> 5
<211> 267
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Probe
<400> 5
tggtactcca cctacaagtt ctacaagttc tacgaggttg tcctgatcga tccattccac 60
aaggctatcc gtcgtaaccc agacacccaa tggatcacca agcctagttc acaagcaccg 120
tgagcaaaga ggactcacct ctgctggacg caagttcgtg gactcggaaa gggattgctt 180
ttctctgcta cccgcggagg atcccaacac caaagttttt ccacccgcca accgataaat 240
                                                                   267
cttgttattt tattttgttt tgggttt
<210> 6
<211> 292
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 6
ttttttttt ttttcccaac cccttcacat aaaggcggaa aaccgattgt tgctgttact 60
tgttgttgtc gtttattccc tgaggtatcc atattccgct tctcccaatc tctaaagata 120
tacctgaaaa cgagttgtcg tcgaaatact tgatacatgt tgtcttcatc ctggtgtatg 180
ttgtttcgca aattcttcat actagttatg ataggatttg aatgagctgg cacgagtcaa 240
ctttgaactc gaatttcaat attttcgtga tcctgcatta agtgatgaat aa
<210> 7
<211> 314
```

<212> DNA

<220> <223> Description of Artificial Sequence: Probe tctgagctag gaggtccagg aggaaacaac ggaggaggtg ctggaaatgg tggattcgac 60 gattttgatg atttggctcg ccgtttcgaa gaactgaaaa agattaagta atcatcaccc 120 gacgttccat tccttattaa ctatttgttt ctcttccacc caattttttt ttcacgtgtc 180 tttttttgta tcataaatga gacccccaaa aactagctgt ttcttagtgc atacgttaaa 240 acceptting teatigatia teatigiata ecteatiate egaaaaacet tiegacatie 300 atcaactagg tttt <210> 8 <211> 189 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 8 tctgagctag ggaccgaaat tcacaaatat ccaattgtta ctggatggtg gggatgtgga 60 cgatttaatg gggacaagcc actgaagtgt atgttatttc attcgttaaa tatgaagatg 120 gaggagagtg aatggggatt ttgcttcttt tgcaaaatgg cctccctatg tacctgaaaa 180 189 aaaaaaaa <210> 9 <211> 171 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 9 tctgagctag gaaaggacgg agaagatgga gagaacggag ctgctggagc cgctggacca 60 aagggatett gegaceaetg cecaceaeca egeaeteece aggatattaa tteaettete 120 <210> 10 <211> 289 <212> DNA <213> Artificial Sequence <223> Description of Artificial Sequence: Probe <400> 10 tttttttttt tttgagcgag cgtttattat ttgagtcgag cttgggttga gtcgtcagct 60° gaacatgaag attgacaaag aagacgatca gcagcaacag atgcgcagag tcgcattctt 120 tgcggttgct gtctcaactg cagccgtcat ttcaagcatc gtgactctcc caatgatcta 180 ctcttactct tcaatctttc caatcccatt tgatcattgg aaaccgagtt ctgtaaaact 240 289 gtgctcgtga tatgtggtgt cgaagttctc cacaagtcag gtgtaccct

<210> 11 <211> 162 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 11 ctccaccgca acaagtgttc acgtggaaac aacaacgaaa ggaacatcat ctctatctct 60 gctggttttc taatcattgt catttcagct ttaacgctat aatcaacaaa aacagtttat 120 <210> 12 <211> 140 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 12 tagggcctgg ttgtgacaat gtgcactaaa atggggcatg aatatcacca gcagagttca 60 cttacccaaa gtgtacttat taagagtcaa ctgtgaagta tatgagacat ttcagttgcc 120 tgcccaaaaa aaaaaaaaaa <210> 13 <211> 308 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 13 tagttaggca caggatgtac gaggaaattc tactattttc gggtctcacc acgaaatcac 60 aataacccgg attttttagt ggtccccgca cgttgaccta ctggcgcgtc aggcactccg 120 ccgcgacatt cgccgacacg cctacaatcc acgtgtcaat cgtcagattt gcggatcaat 180 aatggtgatg aaaggtggaa atacgtatat ggatcatgtt caaaggcatc aagctgaaca 240 attegaagag ttgaategge gtegacaett ttgateeaag accgtaagaa atttgaaage 300 308 tattggtg <210> 14 <211> 238 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 14 tttttttttt ttttggggag gaaatcacgg cttcggatgc aacagtcttc tctcaattgg 60. caactgtcta ttatccattc cgcaatcaca tttcggatgt tctcgaaaag gacttcccaa 120 agttattgga gtactgtgaa agagttcgtc atgaagttta cccaaaggac tttactatgt 180 gaattaaatt gtcaaactag tagtcagatc aataaaattt tccgcgcgaa aaaaaaaa <210> 15 <211> 324 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 15 tagttaggca caggatgtac gaggaaattc tactattttc gggtctcacc acgaaatcac 60 aataacccgg attttttagt ggtccccgca cgttgaccta cttggcgcgt caggcactcc 120 gccgcgacat tcgccgacac gcctacaatc cacgtgtcaa tcgtcagatt tgcggatcaa 180 taatggtgat gaaaggtgga aatacgtata tggatcatgt tcaaaggcat caagctgaac 240 aattcgaaga gttgaatcgg cgtcgacaac tttttgatcc aagaccgtaa gaaatttgaa 300 324 agctattggt gaaaaaaaaa aaaa <210> 16 <211> 272 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 16 tggtactcca cgcagaaaga agaaggtcat ccacaacacc gctactaccg atgacaagaa 60 gcttcaaagc aatttgaaga aactctctgt caccaacatt ccaggaatcg aggaggtcaa 120 catgattaag acgatggaac cgttatccac ttcaacaacc caaaagtcta aacctctgtt 180 cccagccaat accttctctg tcacaggatc agccgataac aagtcagatc actgaaatgt 240 ctcccaggga atgctgaact ggtcagagtc ct <210> 17 <211> 218 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 17 ttttttttt tttcgacaag cggggactaa aagcaagctt ttcatccacc gatgatacaa 60 ggcgttttta gtaccttagg atcgactgac ccacatccaa ctactgttcc acgtggaacc 120 cttctccact tcagtcttca aggatcgaac ttgaatattt gctactacca tacgatctgc 180 218 actgacggaa agtccagccg agcctacctc atagttaa <210> 18 <211> 238 <212> DNA

```
<220>
<223> Description of Artificial Sequence: Probe
<400> 18
tttttttttt ttttgccggg cggtgtgtac aaccggcagg gacgtaatca acgtgagctg 60
atgactcgcg cttactaggc attcctcgtt taagggcaat aattacaata ccctatcccg 120
gacatggaag aatttcaacg gtttaccgat acctttcaac acgggaaaac tacccggttg 180
gacaccatta ggactgacag attgaaagtc tttgtcgatt tggtggttgg ttgtgcat
<210> 19
<211> 253
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 19
tagggcctgt tggttgatgc ttgtccggcg cagttctgtc tgcttgatac ttcgggttga 60
tggcggacta gtgattgtgc ttcttgcgga ccgtttctgg tgtgtgcttg gacctcggtt 120
ctagtatect gategeteat ctateaaceg tactgtaace ggtacgaete agggaateeg 180
actgtctaat taaaacagag gtgacagatg gtccttgcgg acgttaactg tcactgattt 240
                                                                   253
ctccccagtg cac
<210> 20
<211> 277
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 20
tttttttttt tttggggggg gcggtgtgta caaagggcag ggacgtaatc aacgtgagct 60
gatgactcac acttctaggc attcctcgtt taagggaata attacaatac ccatcccgga 120
catggaagaa tttcaacggt ttaccgatac cctttcggca acacgggaaa actcacccgg 180
tccggacacc attaggactg acagattgaa agctctttct cgatttggtg gttggtggtg 240
catggccgtt cttagttggt ggagtaccaa tcactag
<210> 21
<211> 216
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Probe
<400> 21
tagcaagtgc ggagacaaat gtgaatgcag tggagacaag tgttgtgaga agtactgctg 60
tgaggaggcc agtgagaaaa aatgctgtcc agctggatgt aagggagact gcaagtgtgc 120
aaactgtcat tgtgcagagc agaagcagtg cgagacaaga cccatcaaca ccagggaact 180
gctgcggctc attaaaatgt ttcagagttg aatcta
```

```
<210> 22
<211> 356
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
caatcgatga gtatcctcgt acaattaatg catgatgcaa ttggaaatat tccgaggtag 60
gtaaaacggg gaacatcacg agatagatga atacagcgga tatcatatag gcacgcagaa 120
tatcaataaa attttcaaat tttcaaaata tcataacgat tataacacgt agcagggaat 180
tttaaagcca ctgaaataaa tatagaataa tatatacaga cacacacaat ctagatttca 240
gaacattttc agtaacgacg tttgaacttt tttgaagatt tcgccgagcc tttgatcact 300
tttgcagtca caacttccac aactttcttt tcctcctctt cctctacatc gattgc
<210> 23
<211> 199
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 23
taaactctat gtttatttgt tttttcaaat ttcaaattga aaattgaaac tttcaatttg 60
attagagtct ttgtggtttg actccttttt ttcattgaac atcttttacg tacgtcatac 120
ttttgtatac acatttacaa atgttgtttt gtaattatat gtaacaaatt tctatgtaca 180
cctcatctca tctctctat
                                                                   199
<210> 24
<211> 326
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 24
cgtctccctt ttttacttac ttgtaggtgc gtcttgtcaa ttgtacgtac ttatatttag 60
caaacctctg gtgttacctc tgcttttttg taaaatttgt tacacacttt ctttttggca 120
gtaaaagttg tttagcacac tttaacactc tgccactacc aaggtaatag tgagcccatc 180
gaggttttat aaatgtcctt gatagtttaa agtgttggag gatcgagcta ctttggtagt 240
ggaaagccgt gtttcttgtc ttgttttgtt cgatgattta cccaactatt tgatattttg 300
                                                                   326
atttaccgga ttatataata ćacccc
<210> 25
<211> 147
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
```

<400> 25 tggcaatata cctagaaaga gtaaatatta tgacgtggca ataatacaga agcagtccga 60 actacaactc acgaaacatt ttgaaagttt acctcttgat ttcttttgaa tgttttgtct 120 147 cacacaataa agaaaattct accgtac <210> 26 <211> 285 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 26 cgtggcaata cacagaatat acacattgag atggttcgaa tggcaaagag aaggtggtgg 60 ctaatcattc tatatagcac aacgccaaat ataatttcga tgtggcggaa tttgtgatgg 120 tgaatggaat taacaaaatt ttctaaacgt cttcattccg agtaattttt cgttttccct 180 ccacttttcg atttatattg ttttcttaga aaaagtattt attgcatcgg gtgctcattg 240 285 tctttgtgta gaatataaac tcgttcactt cccaaaaaaa aaaaa <210> 27 <211> 216 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe tagcaagtcg gagacaaatg tgaatgcagt ggagacaagt gttgtgagaa gtactgctgt 60 gaggaggcca gtgagaaaaa atgctgtcca gctggatgta agggagactg caagtgtgca 120 aactgtcatt gtgcagagca gaagcagtgc ggagacaaga cccatcaaca ccagggaact 180 216 gctgcggctc attaaaatgt ttcagagttg aatcta <210> 28 <211> 142 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe aaaataaagt ccttcacatt aaattatcaa ttgcttggcc tcgaatatct tccagctggt 120 142 gattgcattc gttcattcct tc <210> 29 <211> 84 <212> DNA <213> Artificial Sequence <220>

<223> Description of Artificial Sequence: Probe <400> 29 tagcaagtgc ggagacaaat gtgaatgcag tggagacaag tgttgtgaga agtactgctg 60 tgaggattcc agtgagaaaa aatc <210> 30 <211> 217 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 30 tagcaagtgc ggagacaaat gtgaatgcag tggagacaag tgttgtgaga agtactgctg 60 tgaggaggcc agtgagaaaa aatgctgtcc agctggatgt aagggagact gcaagtgtgc 120 aaactgtcat tgtgcagagc agaagcagtg cggagacaag acccatcaac accagggaac 180 tgctgcggct cattaaaatg tttcagagtt gaatcta 217 <210> 31 <211> 292 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 31 tggtactcca cacggacaaa tacatttagt tttacaagcc gccacgcgac acgcaacgcc 60 gtaaatctac caaggtacaa caacaacatg tcaagcacag acccatatct tatttgtgcg 120 gaacgagatg gcctctactg tagtaatcga caattggact cttatccacc ggatcactta 180 acctattttg atattaatat tcctattggg atcacagggt ttgcccgaaa atgtaattat 240 292 <210> 32 <211> 188 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 32 tataggttaa gtgatccggt ggataagagt ccaattgtcg attactacag tagaggccat 60 ctgcttccgc acaaataaga tatgggtctg tgcttgacat gttgttgttg taccttgggt 120 agatttacgg cagttgcgtg tcgttggcgg cttgtaaaac taaatgtatt tttccgtgtg 180 gagtacca <210> 33 <211> 289

<212> DNA

<220> <223> Description of Artificial Sequence: Probe ttttttttt ttttgtacat tatggcaaat ggaggcactg tctggttccg tggggtcatg 60 gtgcattgga tcatggtata tcctatcctg gcttctaatc ccaatgcgtt tacagtcatg 120 tgggcttgaa cgggcctagc tgagcttgga caaagttcct tgacagtacg ggtcgacaag 180 cttgacagtc agaaattagg cacttgtggg ctacaggtgc tcgtaattat tttgagagtt 240 ctgggcttcc ggacttttac taggctaatc taagacaact gggctctaa <210> 34 <211> 214 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 34 aaatcatggc ggcggatgca acagtcttct caattggcaa ctgtctatat cattccgcaa 60 cacatttcgg atgttctcga aaaggacttc ccaaagttat tggagtactg tgaaagagtt 120 cgtcatgaag tttcccaaag gactttacta tgtgaattaa attgtcaaac tagtagtcag 180 atcaataaaa ttttacgtgg aaaaaaaaaa aaaa <210> 35 <211> 322 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 35 taggtgaccg tagagaagcc cagatattta aaatctaaag ggaaactgtt tgaccagaag 60 attagagece agttgtetta gatageetag taaaagteeg gaageecaga aeteteaaaa 120 taattacgag cacctgtagc ccacaagtgc ctaatttctg actgtcaagc ttgtcgaccc 180 gtactgtcaa ggaactttgt caagetcage taggecegtt caageccaca tgactgtaaa 240 cgattcggga ttagaagcca ggataggata tccatgatcc aatgcaccat gacccacgga 300 accagatgtg ctcattacat ag <210> 36 <211> 228 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 36. tttttttttt tttccccatt catcacacac tatcatgttt tatattcaga cctattacct 60 gtccagaaaa actgagctga aaaaatcccg gacgagcagc tccttcacat tcaaaatctt 120 ccatcatttc cccactcaat tcatttgttt tgtctttgat tttcaaattt tttgccttat 180 228 tattttattg ctaaattaag aaaactgtta ctttgcaaaa aaaaaaaa

```
<210> 37
<211> 255
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 37
atcattcaag aaagctatta tcagaaaaca taaatgacat agatcaagtg taaatcacat 60
atatataaag tggataaata tatatagtta aacggataag gaaattaatt aatgaatttt 120
gaaactggca gcgaaggatg aacagggaaa ggcacatgtt aaaataaatg aatgtgtata 180
atttcgtgaa gagttagtta tgttaggtga tggcagccat gcagaatgag ccattgttcc 240
gaaaaaaaa aaaaa
<210> 38
<211> 433
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Probe
<400> 38
tggtactaag ggccaataac tgagcttttg cacggcggca tcaatgataa agagaaacta 60
tttttgacgg ttaaaataac caaatttaca ccggcgagtc aatcaaaaat tctcatctgg 120
aacagcaaag tacatcggag aattgctgga aggaagcact gatgaaacta aattaactgc 180
tggatgcata ggaaaaacgt caagattgac gtggagttgg agagaaggac tatgtttgga 240
tggttactaa gattttgtaa ctggtgacaa taaggacatc acttttctaa ctaacttaaa 300
ttctttttta cttctttct tctgaattaa ttgtgtttta aggcgaattc tatgtttcag 360
aatttattta cgtttgcttt ttcatgttta attgtaaaag taagcaattt ttccaccgta 420
                                                                  433
aaaaaaaaa aaa
<210> 39
<211> 933
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 39
catgcatctt ttttttttt tttttttta ctgtctcaag tatgttggat tcatgtttga 60
ttattactgc tgcgctgttt ggagccgctg tcatttactt gaaaaatttc ttcactgttc 120
ctagcattaa accaaaacct gatattcaca aaaaagacta caaaaaggat gtagtctatc 180
tgtatcagat gaagagactc aagaactgtc cgaacttgtc ccctttctgc atgaaaatcg 240
agattetttg tagaatette aagatteett aegagattat cacatgeace tetgaaeget 300
ctcggaatgg attggtccct ttcgttgaac tcaatggaga gcacattgct gattctgatc 360
ttatcgaaat gcgcttgaga tcacatttta aaattccgtc gcttccaact gagctggaaa 420
ctcaatctgt tgctctaagc aagtttgcag atcaccattt gttcttcgta cttatacgat 480
ttaaaattgc tgtcgacgaa ttctacaaaa ccattatcga aataatcggt ctcccaacct 540
tcctgaattt ccttctcatg ccccttttga aggctataat cgggaaaaat gtctacaaca 600
aatgtcaggg agccattgga gattttgaat tgagtgagct cgacgagatt cttcacagag 660
```

```
atttgcgaat cgtagagaac accttggcca agaaaaagtt tcttttcggg gaggaaatca 720
cggcggcgga tgcaacagtc ttctctcaat tggcaactgt ctattatcca ttccgcaatc 780
acatttcgga tgttctcgaa aaggacttcc caaagttatt ggagtactgt gaaagagttc 840
gtcatgaagt ttacccaaag gactttacta tgtgaattaa attgtcaaac tagtagtcag 900
atcaataaaa ttctacgtgg caaaaaaaaa aaa
<210> 40
<211> 238
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 40
tttttttttt tttgggagga aatcacggcg gcggatgcaa cagtcttctc tcaattggca 60
actgtctatt atccattccg caatcacatt tcggatgttc tcgaaaagga cttcccaaag 120
ttattggagt actgtgaaag agttcgtcat gaagtttacc caaaggactt tactatgtga 180
attaaattgt caaactagta gtcagatcaa taaaattcta cgtggcaaaa aaaaaaaa
<210> 41
<211> 248
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 41
tttttttttt tttcgcatgt tgtaatacta atatttatta attttcttta attttctttg 60
ttaagtttgt atttataggt tgttgagatt tttttgcctg taattttgca actgtgattc 120
atgtatgtac tatatgaacc gaaaccccct cccgtcatac acaacagtta gtaaaacatt 180
ttaatcccat atttctcatt cccaacactc ttacaggttt tgcatcagca gcagcagtgc 240
aaacacaa
                                                                   248
<210> 42
<211> 226
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Probe
<400> 42
ttttttttt ttttgtaaca aagaactgag cactctatgg tttatcaagt ctatatgtat 60
ccgtgatgcc tactgtatcg tacatccatc tcgatcgtaa tgcattattg atcatgagtt 120
cccaaaggtc ttaatcttga caaaggtgca atagatatat atccttattt ggcactatat 180
atatgttcag aattatgact gatcgataca tatgatcaaa gttaca
<210> 43
<211> 212
```

<212> DNA

<223> Description of Artificial Sequence: Probe ttcgatacag gaactacatt tacatctgtt tcaacatatc aacaatacat aacatactca 60 ateetteagg etetgaagga tittgagtge gatataetgt aacaageteg ggaaacataa 120 gtacattttt tggagctatc tttttatgtt gcgcttttct tttgtctctt tgaatgagtt 180 ttgaaatgaa ttgtctgtgc aaaaaaaaaa aa <210> 44 <211> 284 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 44 tggtactcca cacggacaaa tacatttagt tttacaagcc gccacgcgac acgcaacggc 60 cgtaaatcta cccaaggtac aacaacaaca tgtcaagcac agacccatat cttatttgtg 120 cggaaggatg gcctctactg tagtaatcga caattggact cttatccacc ggatcactta 180 acctattttg atattaatat gcctgattgg ggatcacagg gtttgcccga aaatgtaatt 240 atgaactgaa ttcgaaatgt atttataaat tagtttttat tggg <210> 45 <211> 214 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 45 gcaagtgcgg agacaaatgt gaatgcagtg gagacaagtg ttgtgagaag tactgctgtg 60 aggaggccag tgagaaaaaa tgctgtccag ctggatgtaa gggagactgc aagtgtgcaa 120 actgtcattg tgcagagcag aagcagtgcg agacaagacc catcaacacc agggaactgc 180 tgcggctcat taaaatgttt cagagttgaa tcta <210> 46 <211> 217 <212> DNA <213> Artificial Sequence <223> Description of Artificial Sequence: Probe <400> 46 ttagcaagtg cggagacaaa tgtgaatgca gtggagacaa gtgttgtgag aagtactgct 60 gtgaggaggc cagtgagaaa aaatgctgtc cagctggatg taagggagac tgcaagtgtg 120 caaactgtca ttgtgcagag cagaagcagt gcgagacaag acccatcaac accagggaac 180 tgctgcggct cattaaaatg tttcagagtt gaatcta

<210> 47 <211> 217 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe ttagcaagtg cggagacaaa tgtgaatgca gtggagacaa gtgttgtgag aagtactgct 60 gtgaggaggc cagtgagaaa aaatgctgtc cagctggatg taagggagac tgcaagtgtg 120 caaactgtca ttgtgcagag cagaagcagt gcgagacaag acccatcaac accagggaac 180 tgctgcggct cattaaaatg tttcagagtt gaatcta 217 <210> 48 <211> 216 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 48 tagcaagtgc ggagacaaat gtgaatgcag tggagacaag tgttgtgaga agtactgctg 60 tgaggaggcc agtgagaaaa aatgctgtcc agctggatgt aagggagact gcaagtgtgc 120 aaactgtcat tgtgcagagc agaagcagtg cgagacaaga cccatcaaca ccagggaact 180 gctgcggctc attaaaatgt ttcagagttg aatcta 216 <210> 49 <211> 240 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 49 tttttttttt ttgagactat gaatatttaa tttagcaagc gaatttgttg ttattagata 60 ggaagcctag aagagtgaaa attttaaaaaa atgtgaggaa ctggttttgt attcagaagc 120 atataaacgt tgtcttaatt tatatatgac gttctctatg aatatagcca aaatgatcga 180 tatttttaat ccaaaaatca aacatttttg gtatacgaac ctcgccttca cggaggttta 240. <210> 50 <211> 217 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 50 tttttttttt ttttgggagg aaatcacggc ggcggatcga acagtcttct ctcaattggc 60 aactgtctat atcattccgc aatcacattt cggatgttct cgaaaaggca ttccaaagtt 120 attggagtca tgtgaaagag ttcgtcatga agtttaccca aaggcatttc atagtgaatt 180

<210> 51 <211> 219 <212> DNA <213> Artificial Sequence <223> Description of Artificial Sequence: Probe <400> 51 ttttttttt tttgacgaca aattatttag aaatattgca taagcgaaaa tacaatttga 60 cccgtagcaa aaaaatacat gtcgggaaaa tgagaaaaat ggttaataaa tttttaaaaa 120 aagtatataa ttcctccaac aagctactgc atgtccttgt actacaatct tctccgacgg 180 attccactct cgatcgcgga ttcggattct tcatgttgg <210> 52 <211> 254 <212> DNA <213> Artificial Sequence <223> Description of Artificial Sequence: Probe <400> 52 ttttttttt tttttgccca tcggaaaata gcaagcctct ccacaggtac agtaattgag 60 catttggatg atgcttcttc acagcattat ccagtgtata cttatccttt ttcgtaagag 120 tttcgaaaaa atgtccataa aaagtgttga atgacttttg ttcatctcga agcatacata 180 cgatcgaaac ggagaaatcg atagatcgaa tcaggataag tggggatact gtattgtcgg 240 254 atgaaaacat agac <210> 53 <211> 10 <212> DNA <213> Artificial Sequence · <220> <223> Description of Artificial Sequence: Probe <400> 53 10 aggtgaccgt <210> 54 <211> 10 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Probe <400> 54 ggtactccac 10

217

aaattgtcaa actagtagtc agatcaataa aattttc

```
<210> 55
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 55
                                                                    10
gcaatcgatc
<210> 56
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 56
                                                                    10
ccgaaggaat
<210> 57
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 57
                                                                    10
ggattgtgcg
<210> 58
<211> 10
<212> DNA
<213> Artificial Sequence
<223> Description of Artificial Sequence: Probe
<400> 58
                                                                     10
cgtggcaata
<210> 59
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 59
```

LagCaaglgC	10
<210> 60 <211> 10 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Probe	
<400> 60 agttaggcac	10
<210> 61 <211> 10 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Probe	
<400> 61 agggcctgtt	10
<210> 62 <211> 10 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Probe	
<400> 62 ctgagctagg	10
<210> 63 <211> 10 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Probe	
<400> 63 tacaacgagg	10
<210> 64 <211> 10 <212> DNA <213> Artificial Sequence	
<220>	

<223>	Description of Artificial	Sequence:	Probe	
<400>	64			
tggatt	•		· 1	0
<210>	65			
<211>				
<212>				
	Artificial Sequence			
<220>		_		
<223>	Description of Artificial	Sequence:	Probe	
<400>	65			
ctttct			1	0
	•		••	
<210>				
<211><212>			•	
	Artificial Sequence			
	January Boyanas			
<220>				
<223>	Description of Artificial	Sequence:	Probe	
-4005				
<400>			1	0
	, , , , , , , , , , , , , , , , , , , ,			. 0
<210>			_	
<211>			•	
<212>				
<213>	Artificial Sequence			
<220>	•		•	
<223>	Description of Artificial	Sequence:	Probe	
·				
<400>			1	
ggaaco	caate		Τ.	LO
<210>	68	•		
<211>				
<212>				
<213>	Artificial Sequence			
<220>				
-	Description of Artificial	Sequence:	Probe	
		_		
<400>			_	
aaacto	ccgtc		1	LO
<210>	69			
<211>	10			
<212>	DNA		•	

```
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 69
                                                                     10
tcgatacagg
<210> 70
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 70
                                                                     10
tggtaaaggg
<210> 71
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 71
                                                                     10
tcggtcatag
<210> 72
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Probe
<400> 72
```

ggtactaagc

10